

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 5, 2026

Spike Display_B.1.1.248

RRID:Addgene_172737

Type: Plasmid

Proper Citation

RRID:Addgene_172737

Plasmid Information

URL: <http://www.addgene.org/172737>

Proper Citation: RRID:Addgene_172737

Insert Name: SARS-CoV-2 S B.1.1.248

Organism: Severe acute respiratory syndrome coronavirus 2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34919820](https://pubmed.ncbi.nlm.nih.gov/34919820/)

Vector Backbone Description: Vector Backbone:pcDNA5/FRT/TO/intron; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2021.03.30.437622v2> for bioRxiv preprint.

Plasmid Name: Spike Display_B.1.1.248

Relevant Mutation: Ectodomain only (AAs 1-1208); 682-685 (furin site) replaced with 'GSAS'; F817P, A892P, A899P, A942P, K986P, V987P, D614G, L18F, T20N, P26S, D138Y, R190S, K417T, N501Y, E484K, H655Y, T1027I

Record Creation Time: 20220422T222002+0000

Record Last Update: 20260905T075217+0000

Ratings and Alerts

No rating or validation information has been found for Spike Display_B.1.1.248.

No alerts have been found for Spike Display_B.1.1.248.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Javanmardi K, et al. (2021) Rapid characterization of spike variants via mammalian cell surface display. Molecular cell, 81(24), 5099.